Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-16

To: ENERGY DIVISION
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Dated: 12/27/2017

Question 15:

Regarding SCE Response to Data Request 15, Question 5:

Thoroughly describe the battery technology to be installed, including the type and make of battery (litium ion, flow, etc.). What environmental impacts should be considered due to the type of battery and location of install, e.g., increased fire risk or other hazards or impacts on other resource areas?

Response to Question 15:

The BESS assumed during the preliminary engineering design is based on Lithium-ion battery technology, as this technology provides the best compromise from a maturity, specification, performance, and cost to serve the requested application. As with any electrochemical storage technology, careful attention needs to be taken when designing and procuring the system to mitigate any fire risk. Fire risk can be mitigated by (1) ensuring the battery cells are manufactured following the highest quality standards; (2) validating that the system is properly design and integrated; (3) ensuring the appropriate fire mitigations are in place (e.g., proper containment, fire detection and suppression system). Furthermore, it should be noted that at the time this project is approved, SCE will re-evaluate the available energy storage options to determine if Lithium-ion remains the best suited technology for this application. If a different technology is deemed appropriate, the environmental impact would need to be re-evaluated.